

Course Title	<b>GENERAL SURGERY</b>				
Course Code	<b>NURS205</b>				
Course Type	Compulsory				
Level	BSc (Level 1)				
Year / Semester	2 <sup>nd</sup> / Fall				
Instructor's Name	Dr GEORGIOS CHARALAMBOUS				
ECTS	5	Lectures / week	3+1*	Laboratories/week	-
Course Purpose	<p>The aim of the course is to provide students with the knowledge to understand the basic surgical diseases by presenting and analyzing the etiology, clinical presentation, diagnostic approach, treatment (with emphasis on the latest methods) of surgical diseases and the specifics of care.</p> <p>Emphasis is placed on understanding the principles and techniques associated with surgery.</p> <p>The course focuses on the evaluation and treatment of acute and chronic diseases that require surgical treatment as well as to provide knowledge of the basic principles of surgical nursing (intraoperative and postoperative phase) so that students are able to apply the nursing process, to assess, to plan and evaluate the nursing interventions in patients with surgical diseases of the cardiovascular, urogenital and musculoskeletal system as well as the sensory organs.</p> <p>Particular emphasis is placed on the student getting to know the daily activities in a surgery clinic as well as the equipment of a surgery (surgical instruments).</p>				
Learning Outcomes	<p>By the end of the course, students will be able to:</p> <ul style="list-style-type: none"> <li>- know the physical development, clinical picture and prognosis of surgical diseases.</li> <li>- identify the types of surgeries</li> <li>- know the main causes of surgical diseases</li> <li>- understand the methodology of the diagnostic approach of the surgical patient,</li> <li>- describe the semiology of surgical diseases</li> <li>- understand the modern methods of diagnosis and treatment used in surgery.</li> <li>- become familiar with the complete assessment of the patient utilizing</li> <li>- sources of information from the patient and his environment.</li> <li>- plan preoperative, intraoperative and postoperative care with knowledge of principles of asepsis and antiseptic.</li> </ul>				
Prerequisites	-	Corequisites	=		
Course Content	Introduction to Surgery: History of Surgery, How Surgery Has Developed Over Time				

	<p>Medical history: obtaining a medical history, diagnostic approach of a patient (personal history, family history, previous illnesses)</p> <p>Clinical examination: clinical examination of the head and neck, nose, ear pharynx, larynx, thorax, heart, vascular system, breast and abdomen</p> <p>Surgical diseases: chest, heart, main vessels, breast, abdomen. Basic knowledge about benign and malignant diseases of the breast, esophagus, stomach, duodenum, colon, liver, biliary system and pancreas, diagnostic approach and treatment. Causes, pathophysiology and treatment of acute abdomen and gastrointestinal bleeding. Basic knowledge of laparoscopic and endoscopic surgery</p> <p>Perioperative procedure: Basic pathological diseases of the urinary system of both children and adults, fluids and electrolytes, acid-base balance and related disorders, malnutrition and parenteral nutrition, shock and multiorgan failure syndrome.</p> <p>The primary and secondary treatment of the multi-injured. Closed and open abdominal injuries. Increased intra-abdominal pressure syndrome. Daily technologies in surgery. Systematic differential diagnostic approach to surgical diseases. Identification and management of postoperative complications. Wound healing. Bites, spurs and nicks.</p>
Teaching Methodology	<p><b>Theory</b></p> <p>The course is delivered to the students through lectures, using computer-based presentations programmes. Case Studies, Discussion, Questions / Answers are also used depending on the content of the lecture. Lecture notes and presentations are available online for use by students in combination with textbooks. Relevant material published in international scientific journals are also used to follow the latest developments related to the subject of the course.</p> <p><b>Tutoring*</b></p> <p>Students will also have the opportunity during the tutoring exercises to understand and consolidate the theoretical part of the course.</p>
Bibliography	<p><b>(a) Textbooks:</b></p> <p>Doherty, G. (2017). <i>Σύγχρονη Χειρουργική Διάγνωση και Θεραπεία.</i>, 3η έκδοση. BROKEN HILL PUBLISHERS LTD <b>(In Greek)</b></p> <p>Lawrence, P. F. (2018). <i>Essentials of General Surgery and Surgical Specialties.</i> LWW.</p> <p>Carter, D., &amp; Di Patre, P. L. (2015). <i>Sternberg's Diagnostic Surgical Pathology Review.</i> LWW.</p> <p><b>(b) References:</b></p> <p>Lemone, Burke, &amp; Bauldoff (2013). <i>Παθολογική-Χειρουργική Νοσηλευτική Κριτική Σκέψη κατά τη Φροντίδα του Ασθενούς</i> 5η Έκδοση. ΛΑΓΟΣ ΔΗΜΗΤΡΙΟΣ <b>(In Greek)</b></p> <p>Lowe, D. (2006). <i>Surgical Pathology Revision.</i> Cambridge University Press.</p> <p>Μπονάτσος, Γ. &amp; Κακλαμάνος, Ι. (2006). <i>Χειρουργική Παθολογία.</i> Εκδ. Πασχαλίδης <b>(In Greek)</b></p>

	<p>Ρούσσος, Χ. (2014). <i>Επείγουσα Ιατρική. Μεταφορά και Αντιμετώπιση Βαρέως Πάσχοντος και Τραυματία</i>. Π.Χ.Πασχαλίδης <b>(In Greek)</b></p> <p>Hamilton, B. &amp; Lumley J. (2010). <i>Χειρουργική Σημειολογία</i>. 1η έκδοση. BROKEN HILL ΕΚΔΟΤΙΚΟΙ Ε.Π.Ε. <b>(In Greek)</b></p> <p>Κωστάκης, Α. (2005). <i>Σύγχρονη Χειρουργική</i>. BROKEN HILL PUBLISHERS LTD <b>(In Greek)</b></p>
Assessment	<p><b>Methods:</b> The evaluation of the course consists of the continuous evaluation (midterm examination, participation in the class) and final examination.</p> <p>(a) <b>Mid-term examination: 40%</b>. The written midterm exam consists of multiple choice questions, short answers and open-ended questions.</p> <p>(b) <b>Student participation: 10%</b>. Classroom participation includes educational assessments with interactive problem-solving questions.</p> <p>(c) <b>Final examination: 50%</b>. The written final exam includes multiple choice questions, short answers and open-ended questions.</p>
Language	<b>Greek-English</b>